

FIG. 1

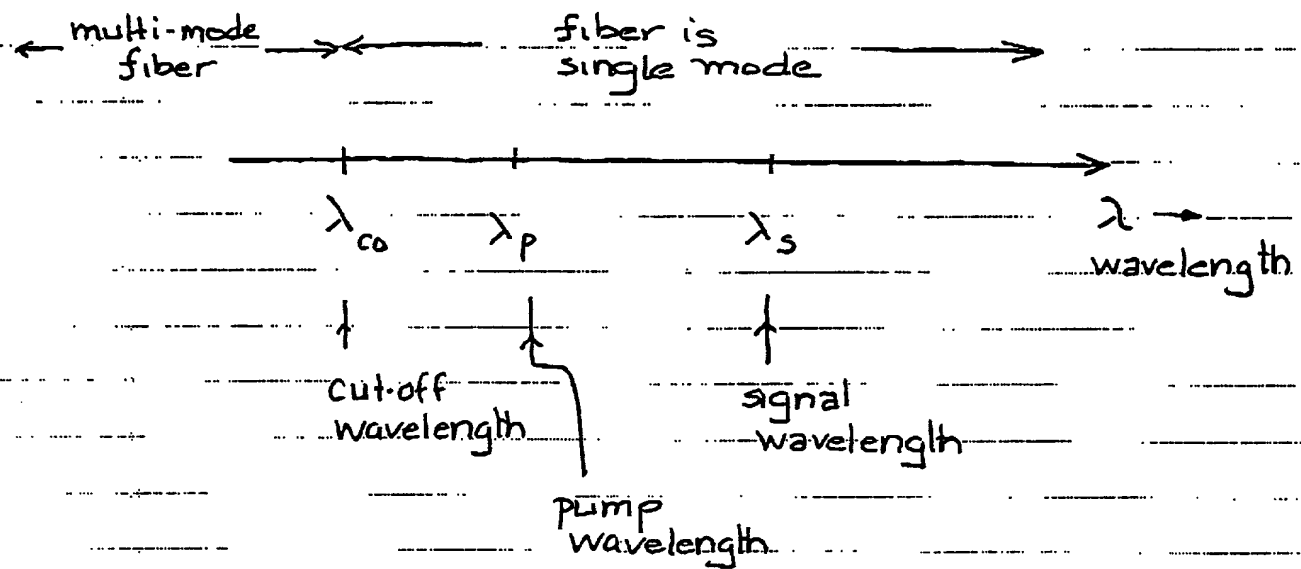


FIG. 2

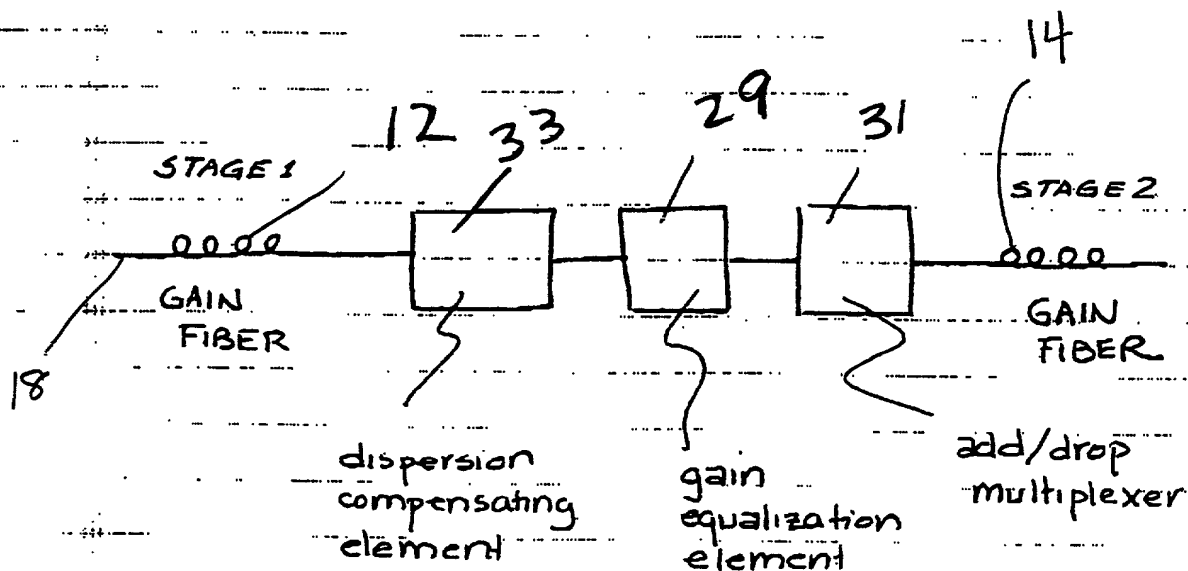


FIG. 3

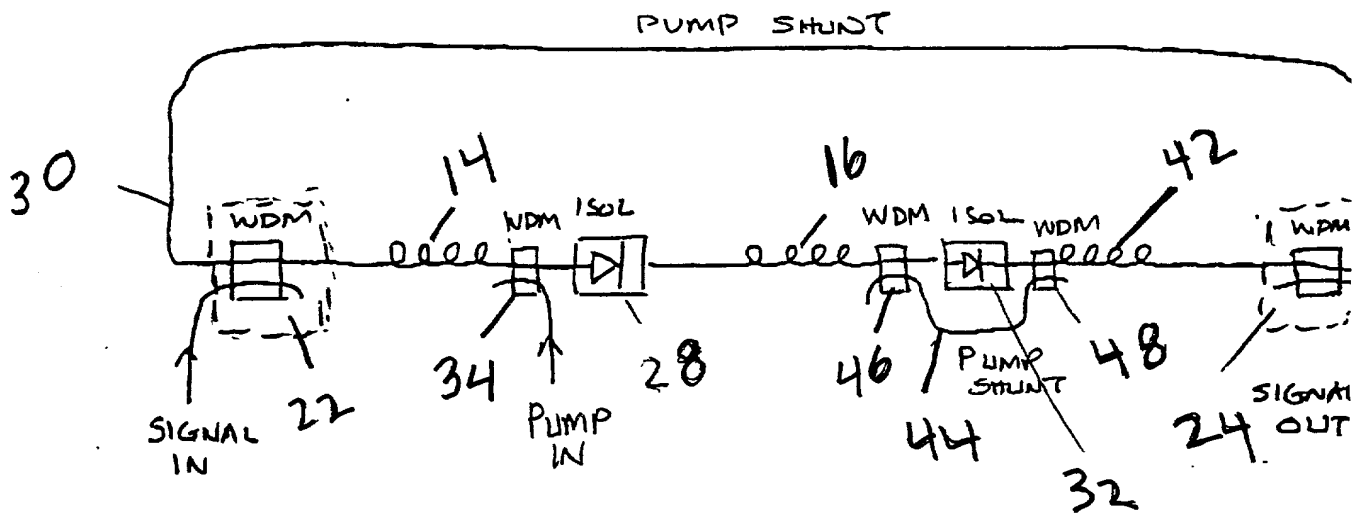


FIG. 4

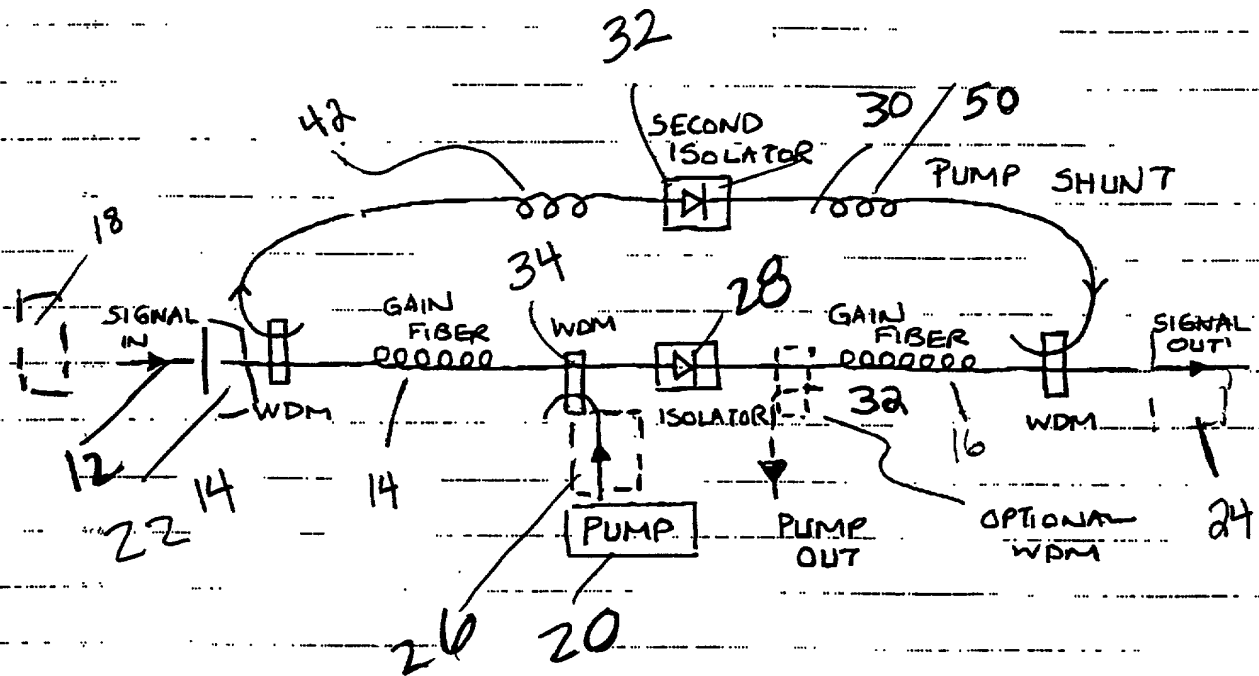


FIG. 5

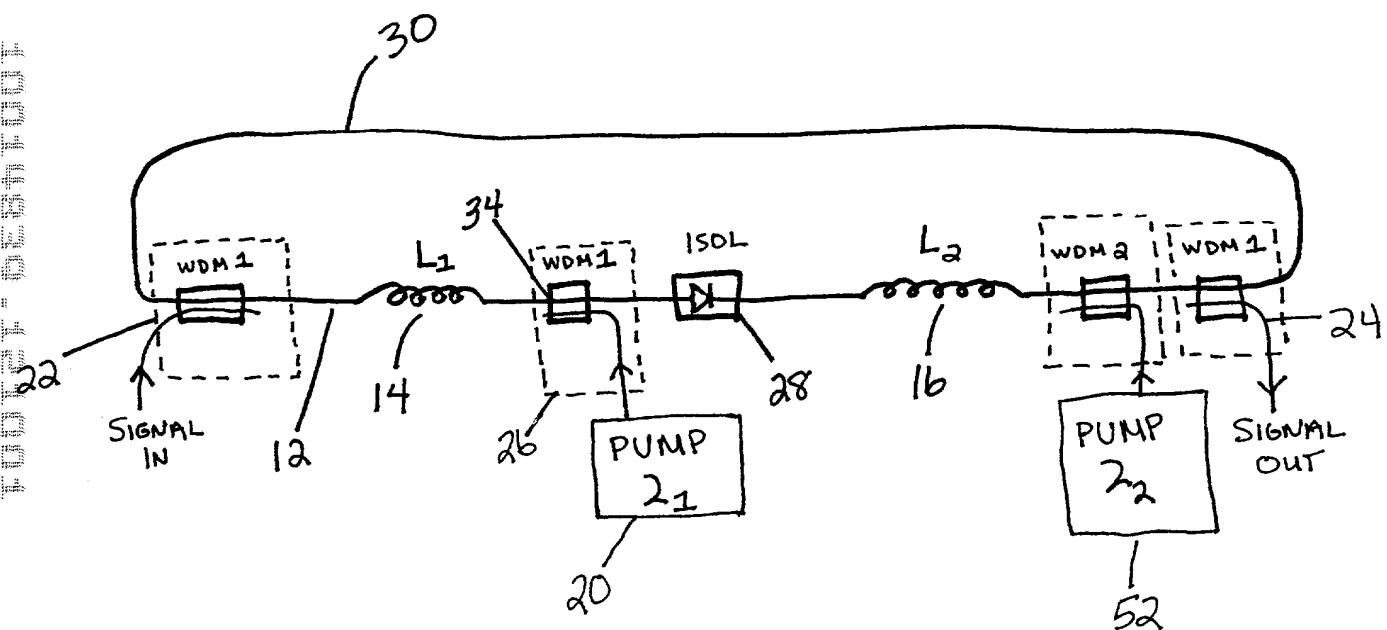


FIG. 6

FIG. 7

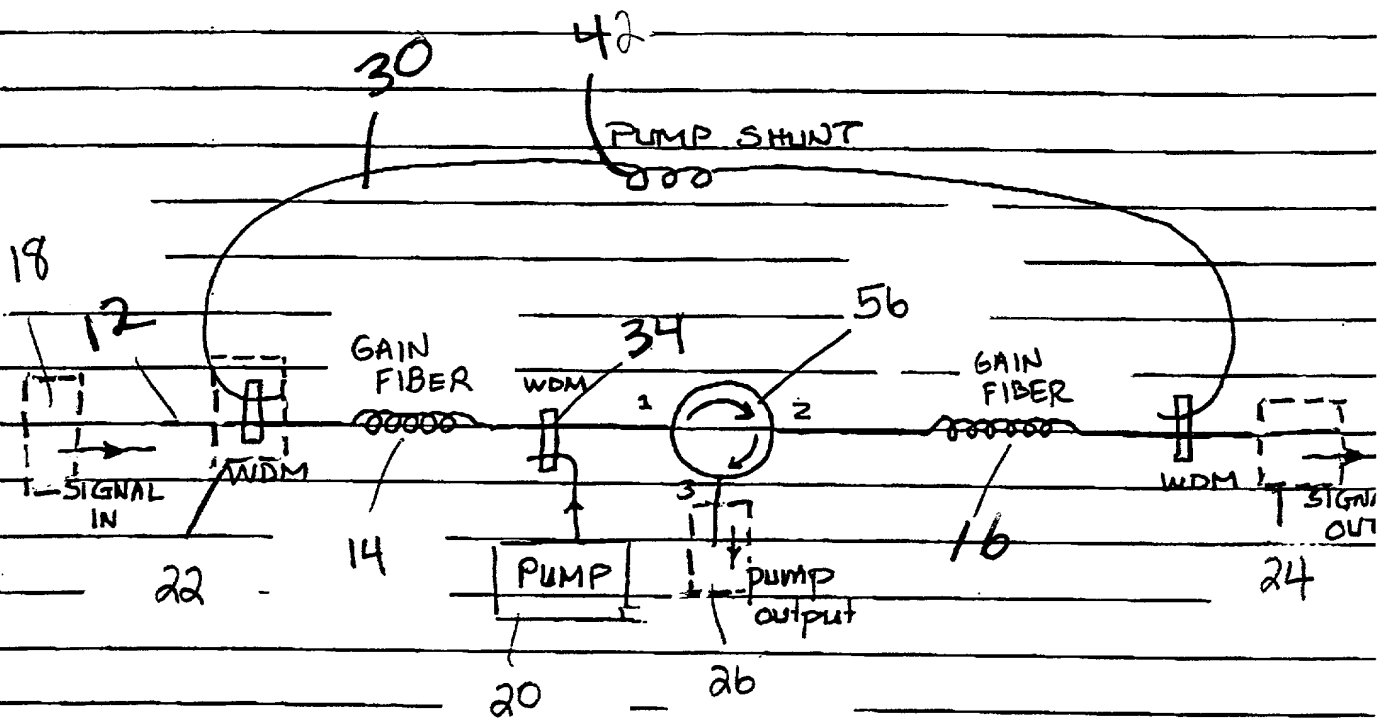


FIG. 7

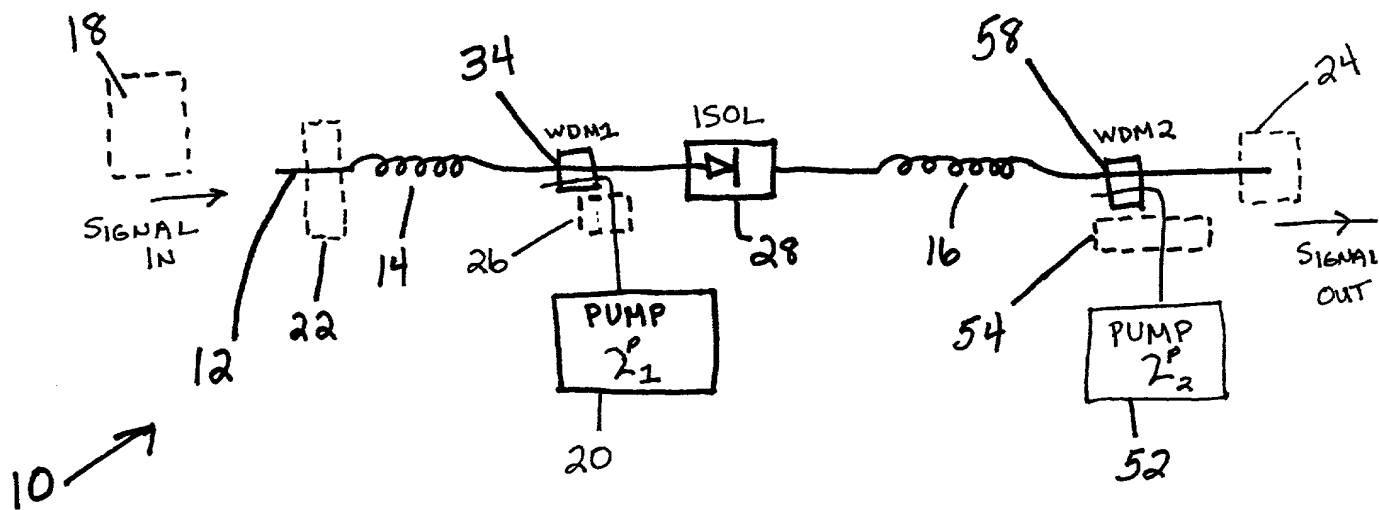


FIG. 8



FIG. 8b

FIG. 8b

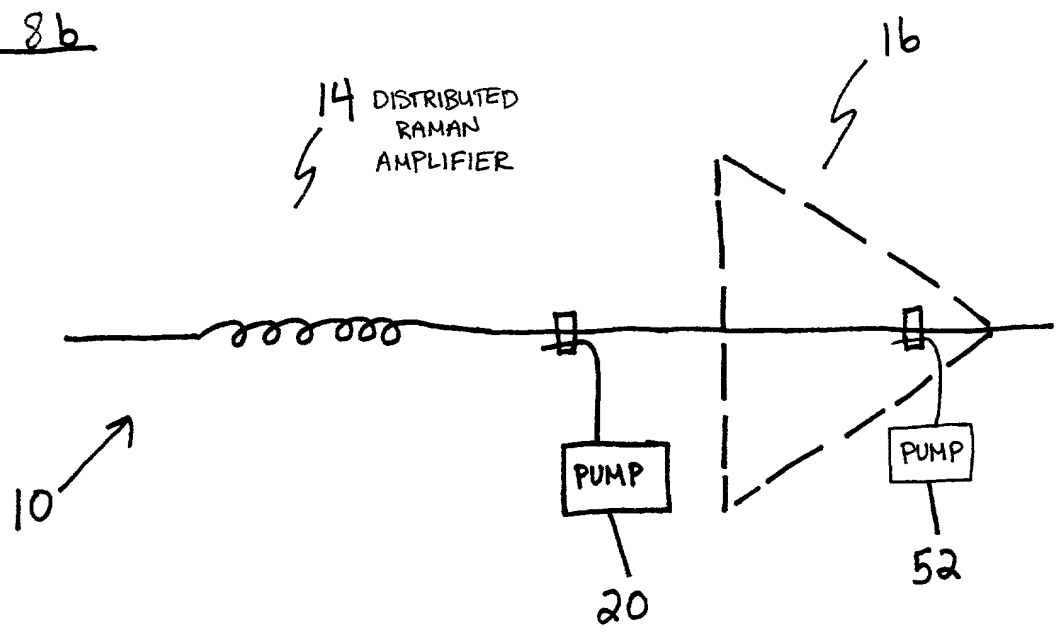
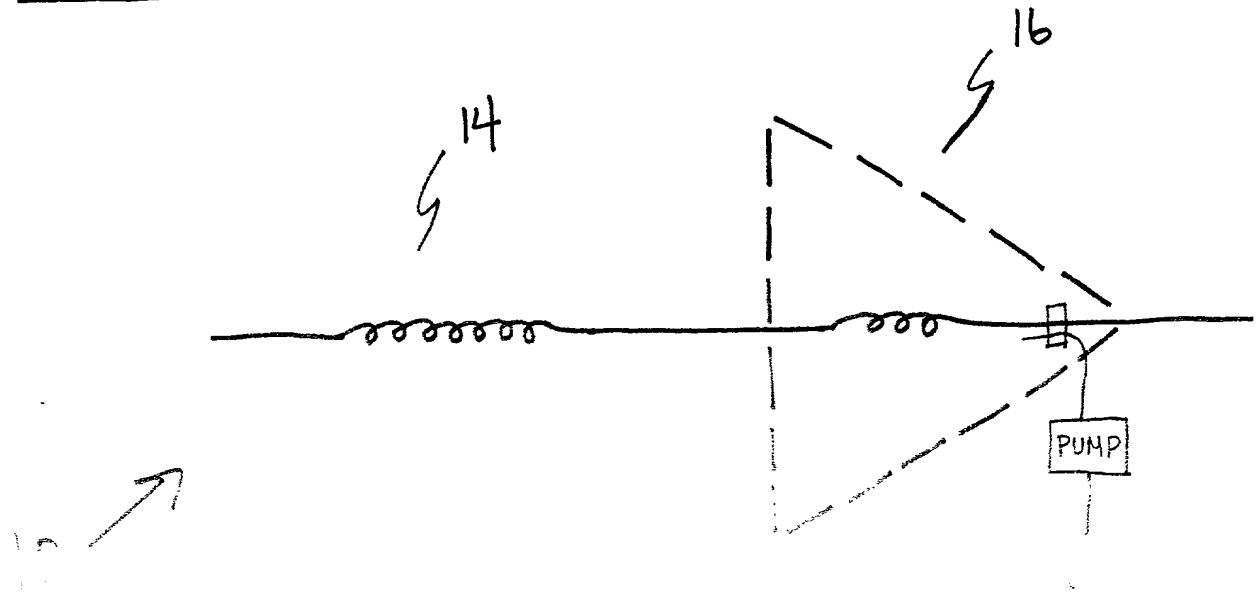


FIG. 8c



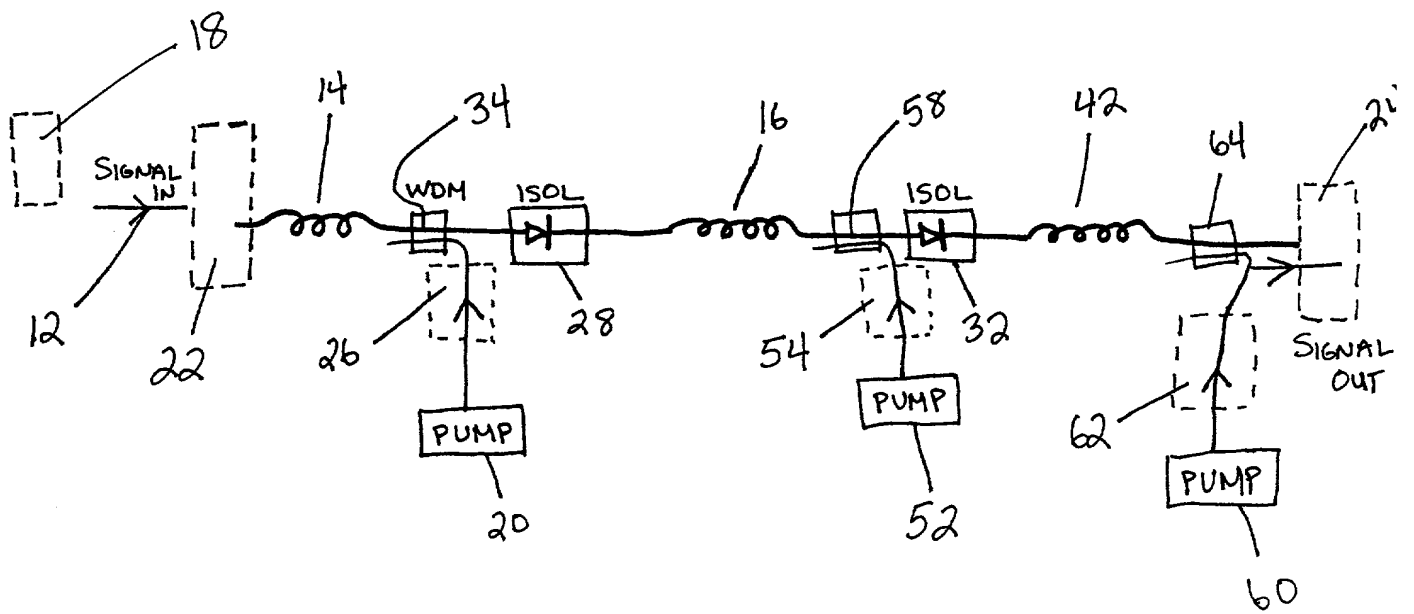


FIG. 9

FIG. 10

PUMP =

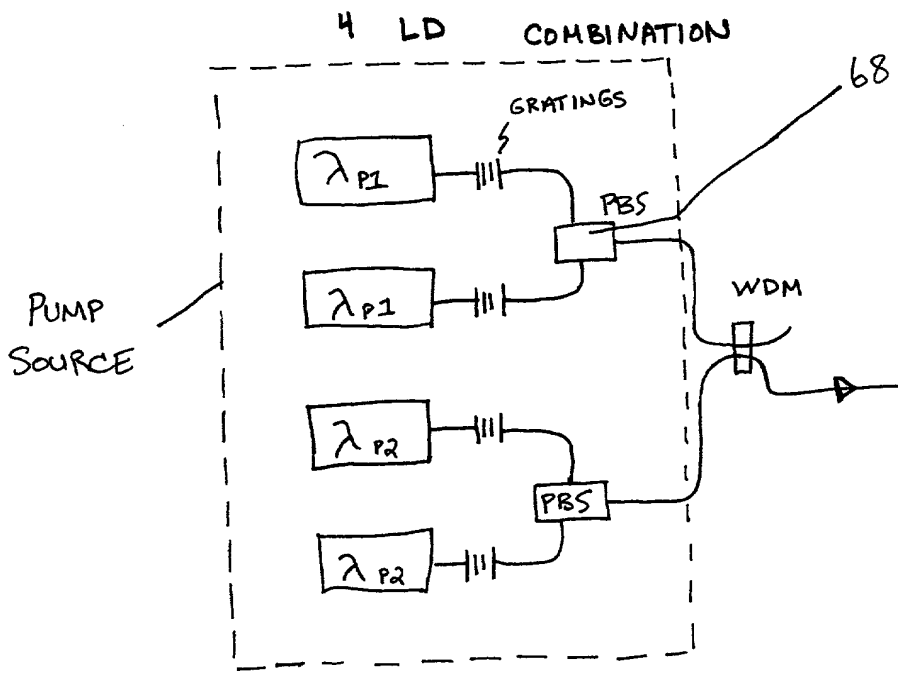


FIG. 10

# 8 LD COMBINATION

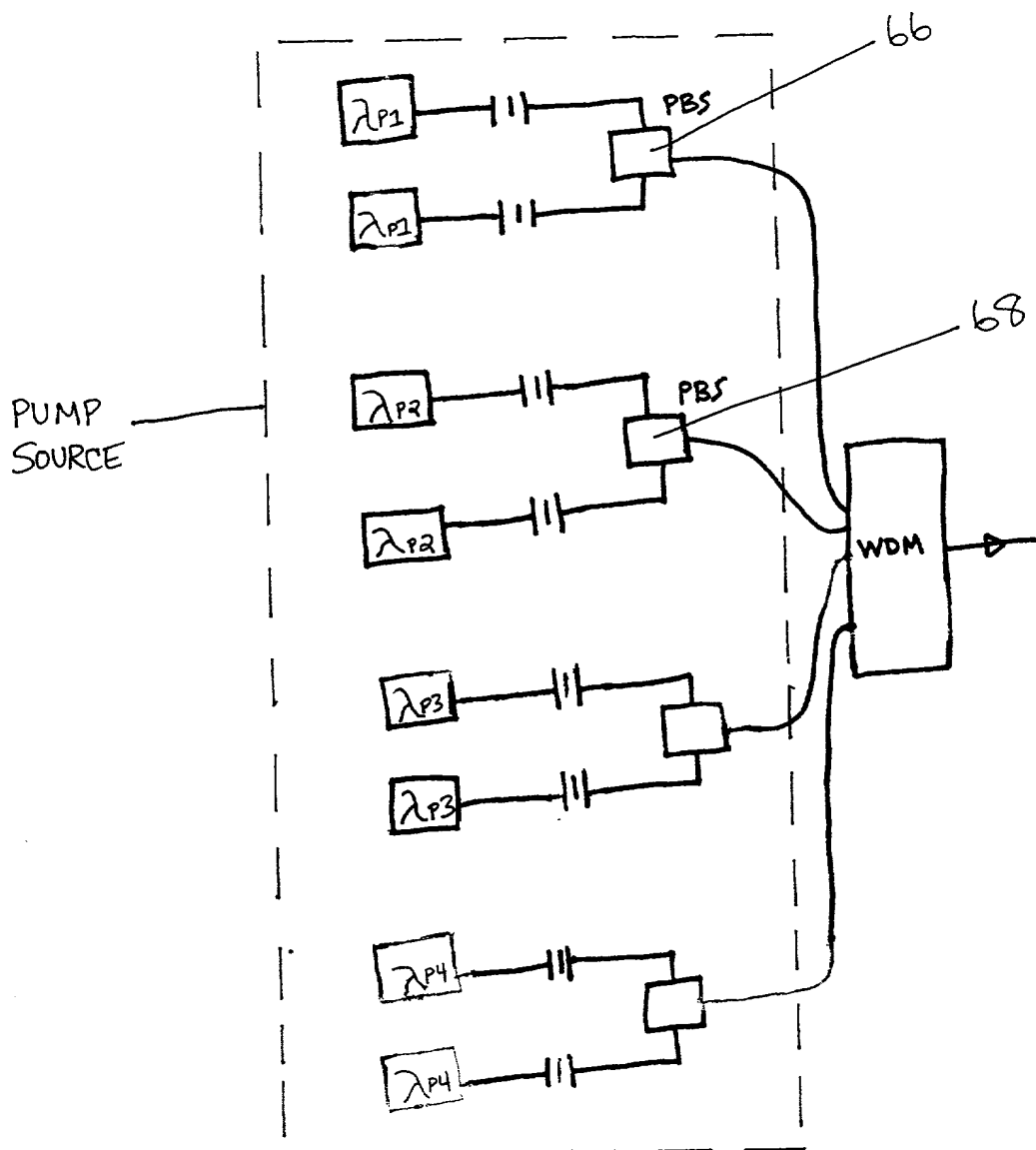


FIG. 11

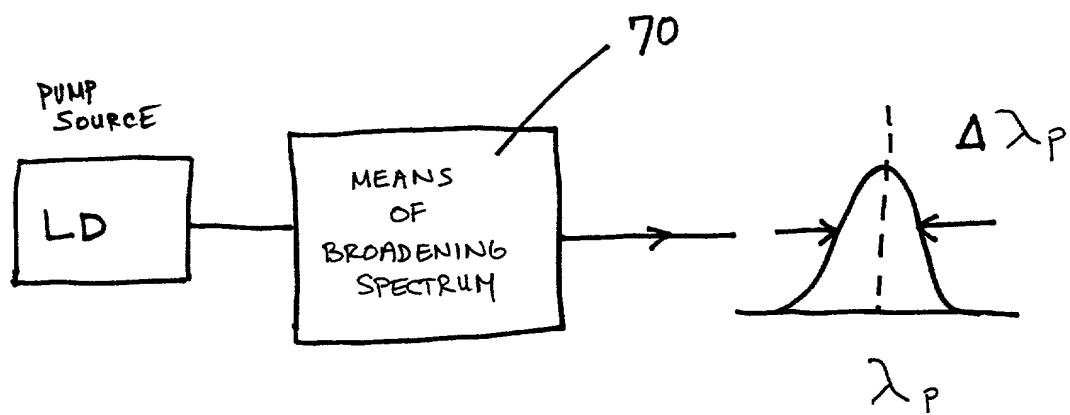


FIG. 12

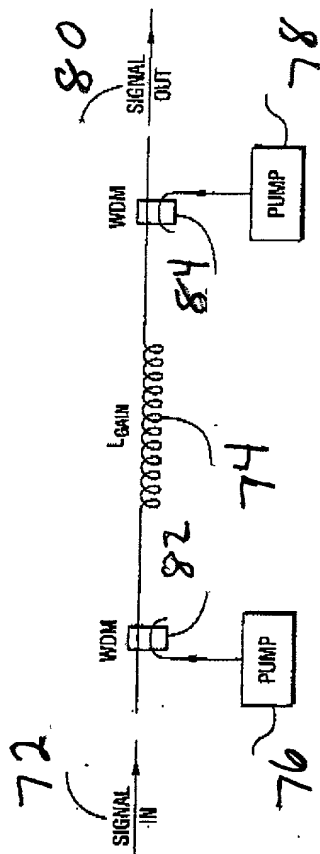
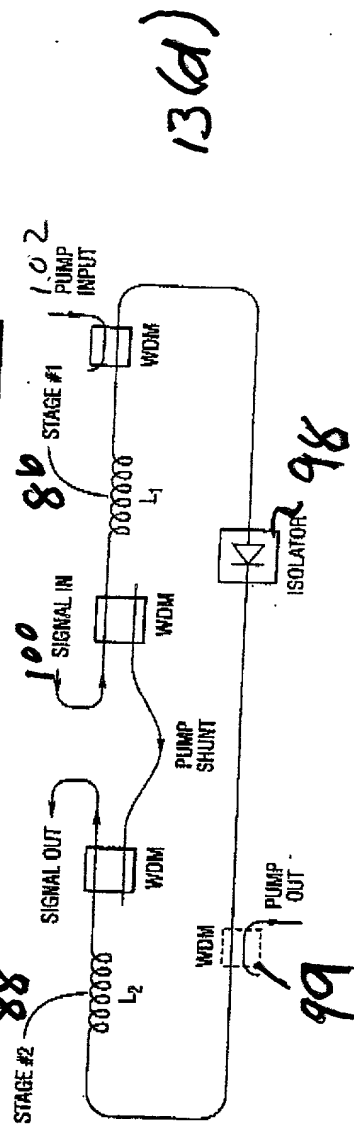
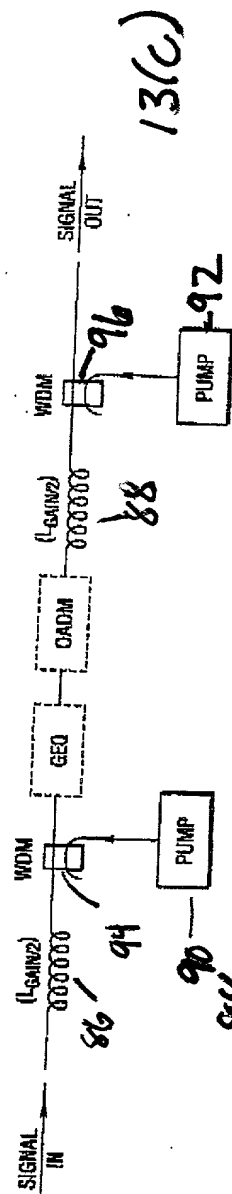
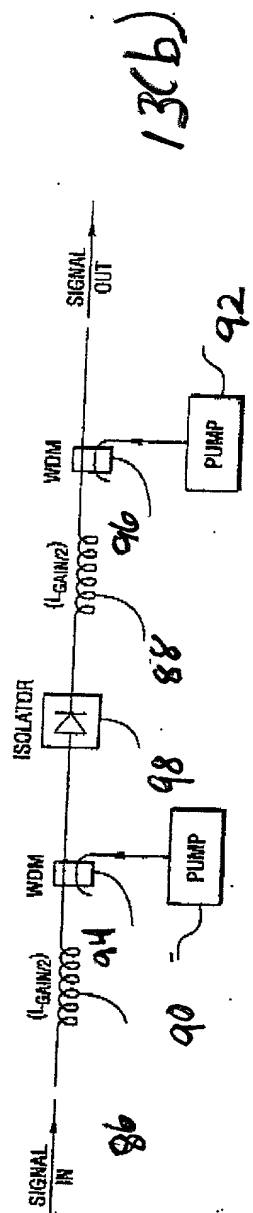


Fig 13(a)



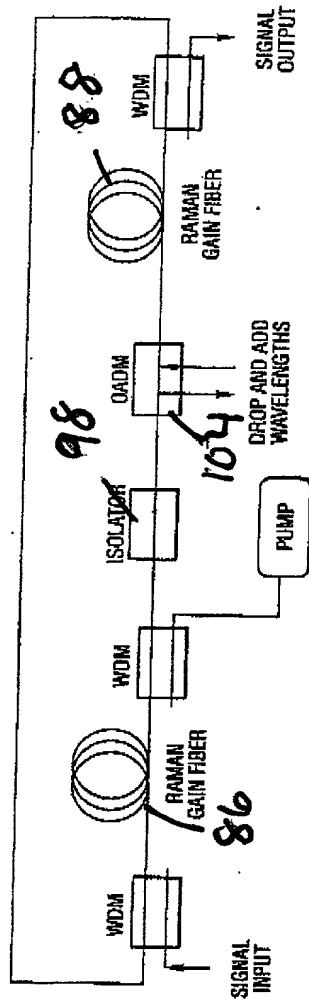


Fig 13(e)

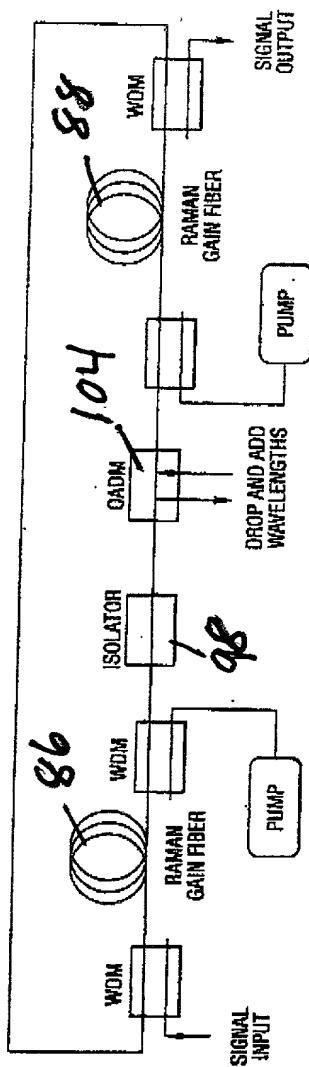
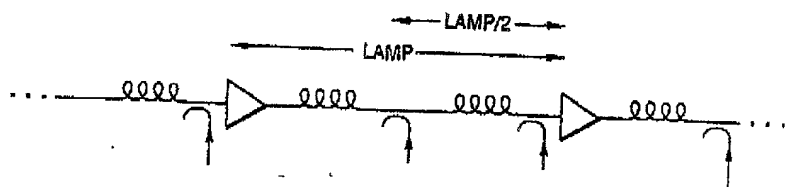


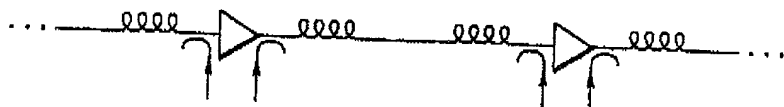
Fig 13(f)





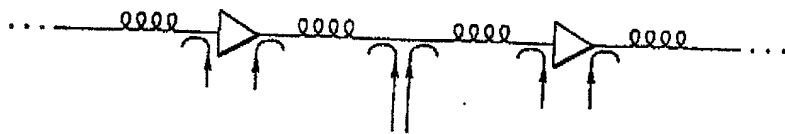
PUMPS

Fig 14(a)



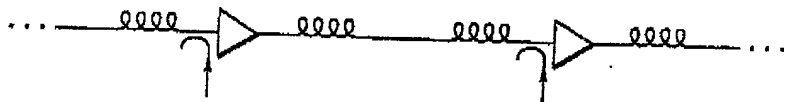
PUMPS

Fig 14(b)



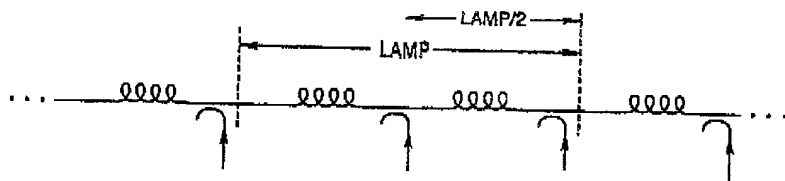
PUMPS

Fig 14(c)



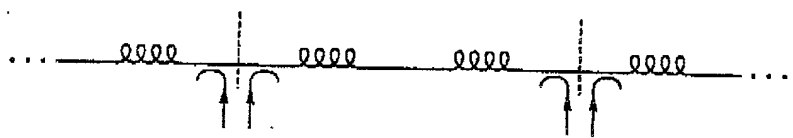
PUMPS

Fig 14(d)



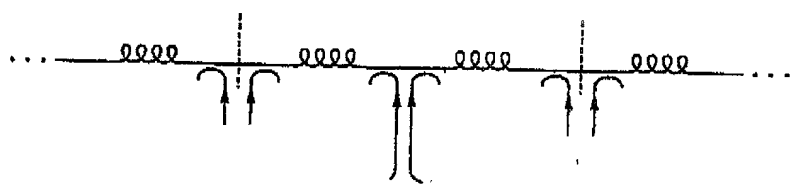
PUMPS

Fig. 15(a)



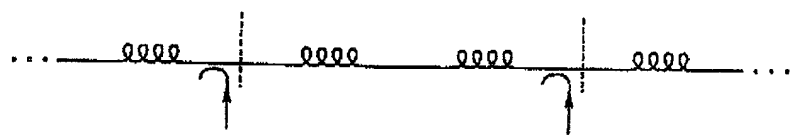
PUMPS

Fig. 15(b)



PUMPS

Fig. 15(c)



PUMPS



Fig. 15(d)

1004489-14001 TOTAL SHEET

106

112 110

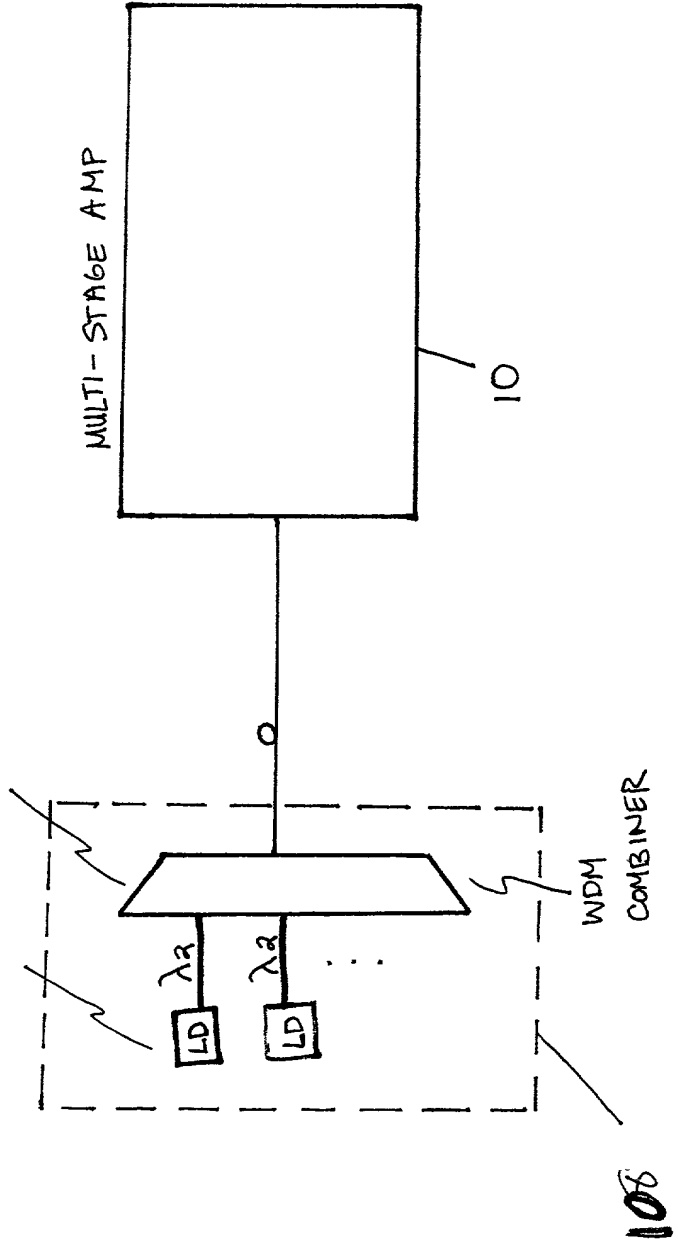
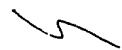


FIG. - 1b

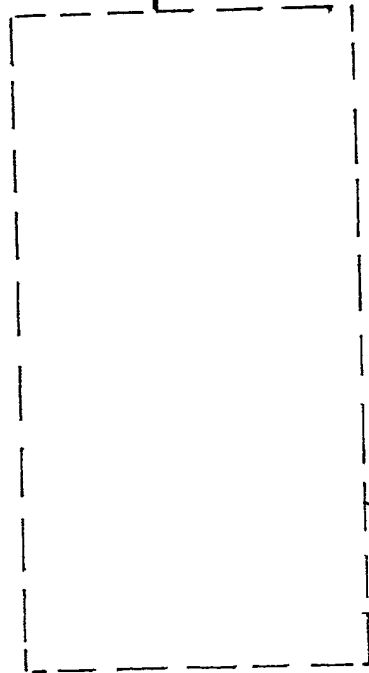
113



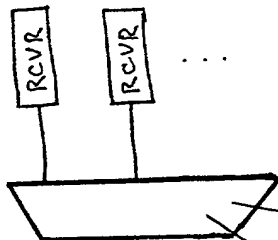
114

118

MULTI-STAGE AMP



10



WDM

SPLITTER

116

FIG. 17

FIG. 6E-100T 120

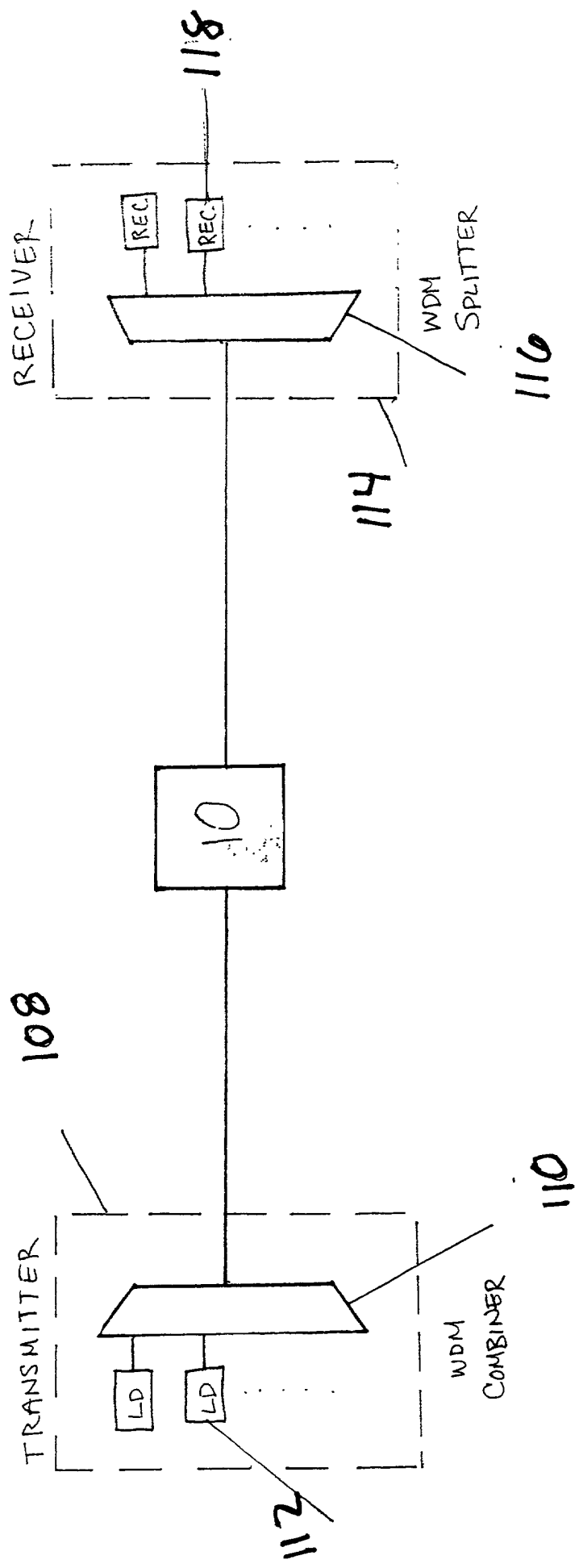


FIG. 18

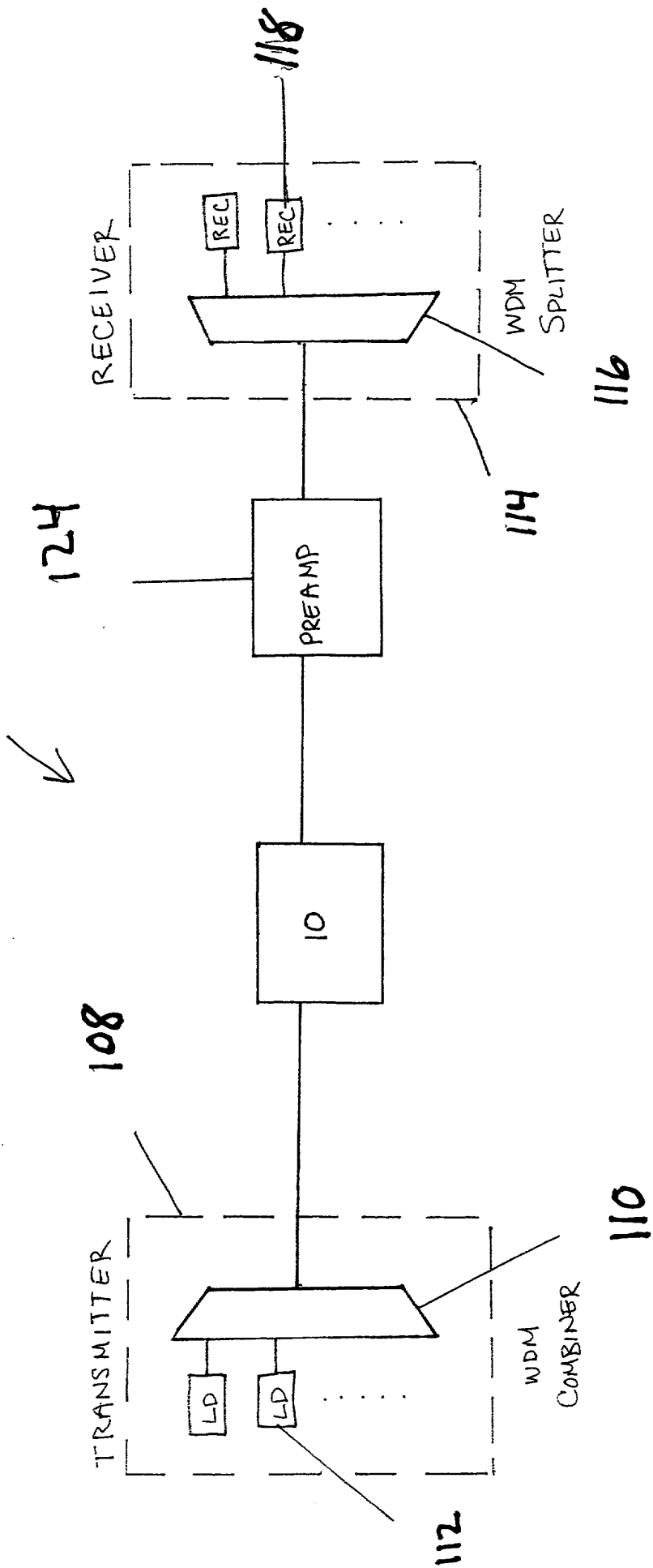


FIG. 19

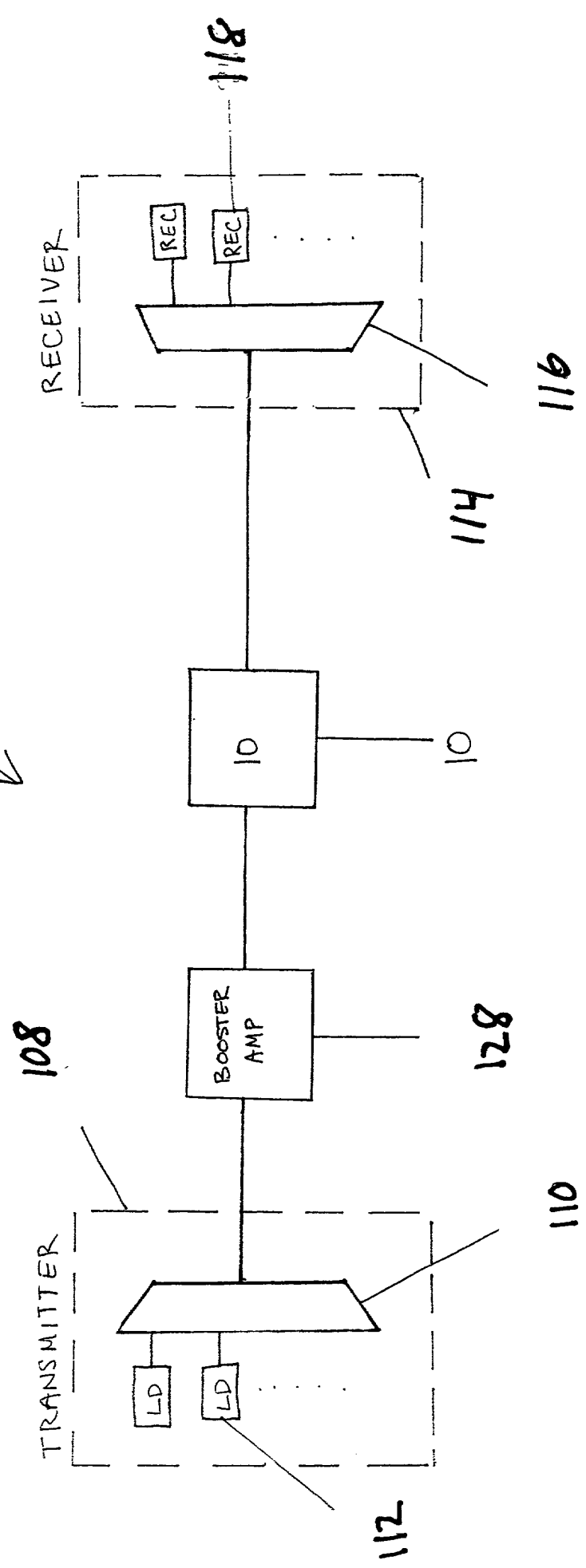


FIG. 20

130

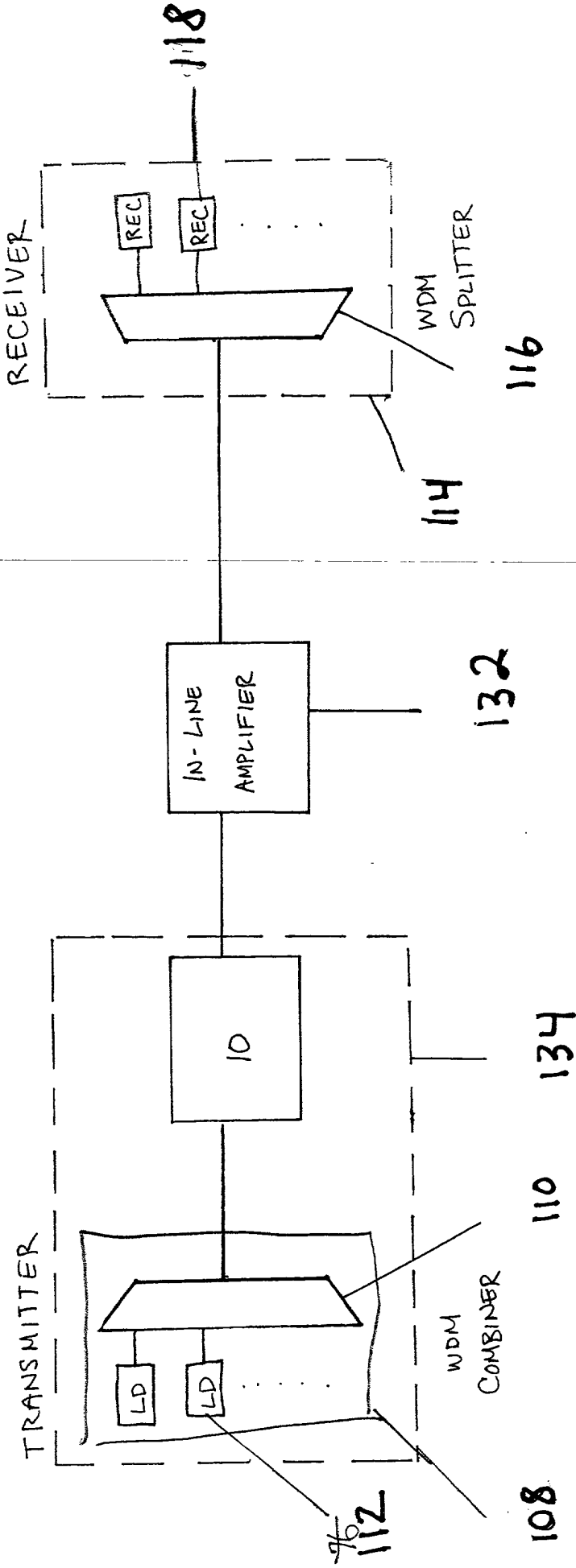


FIG. 21



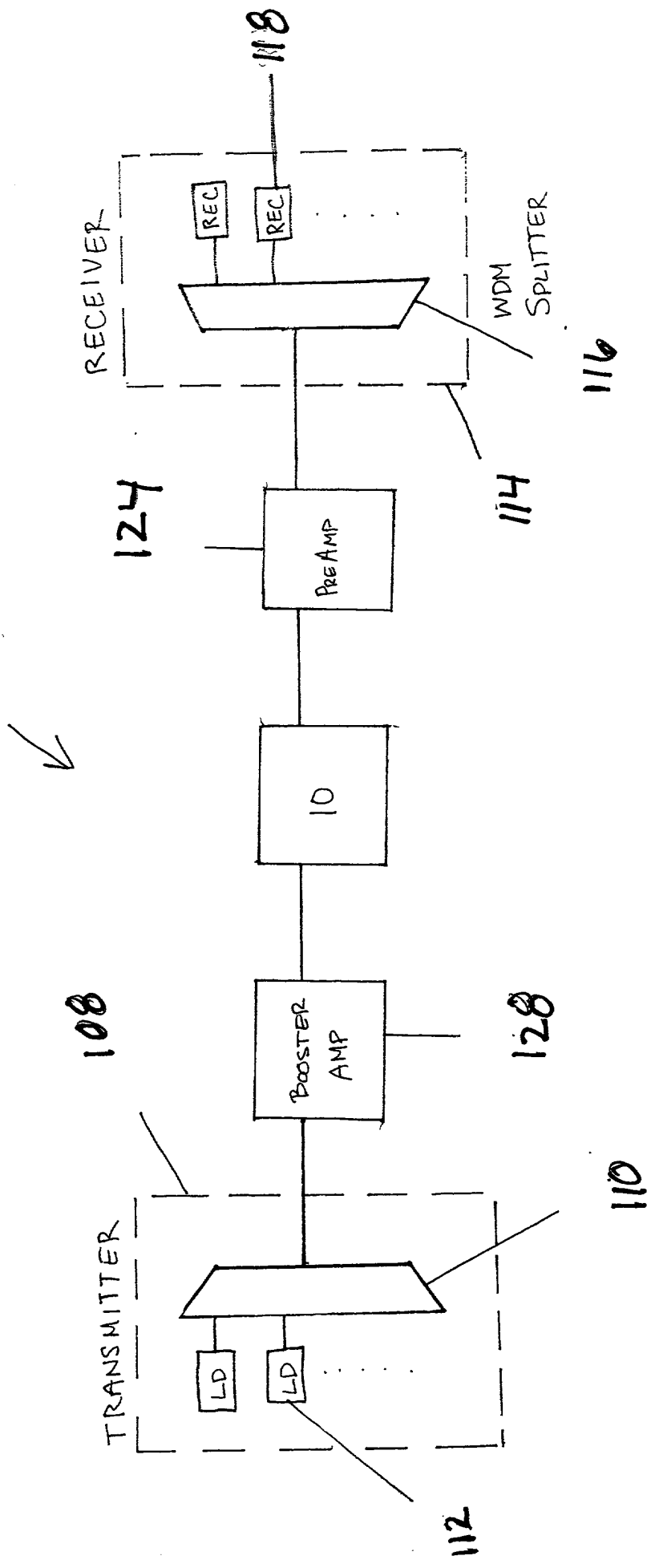


FIG. 22

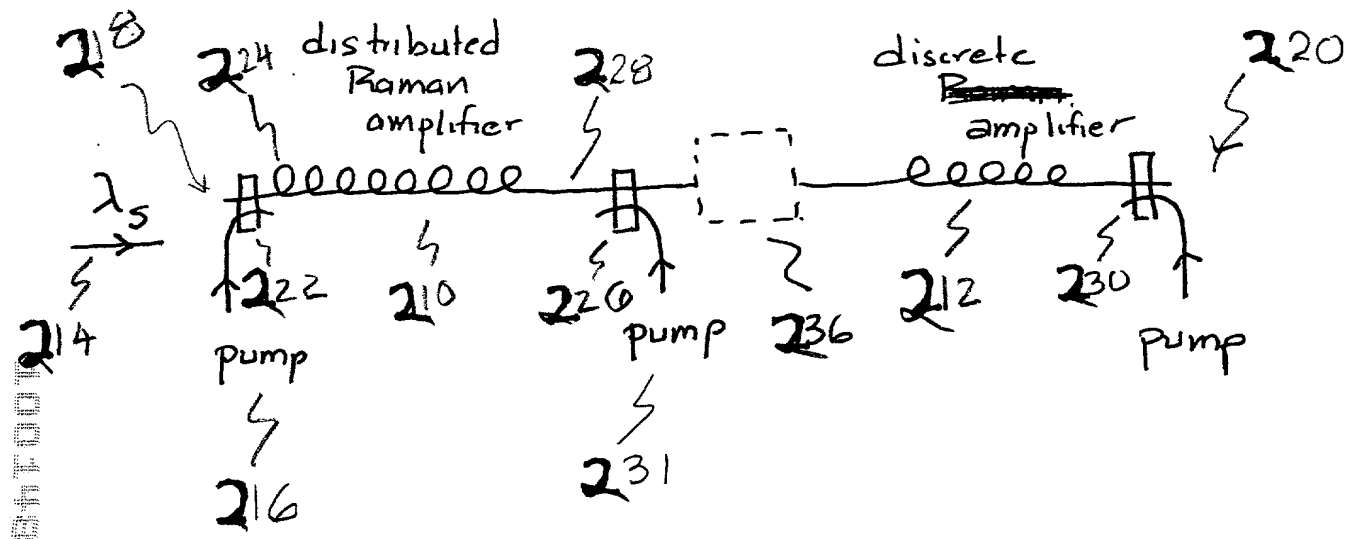


Fig 23 (a)

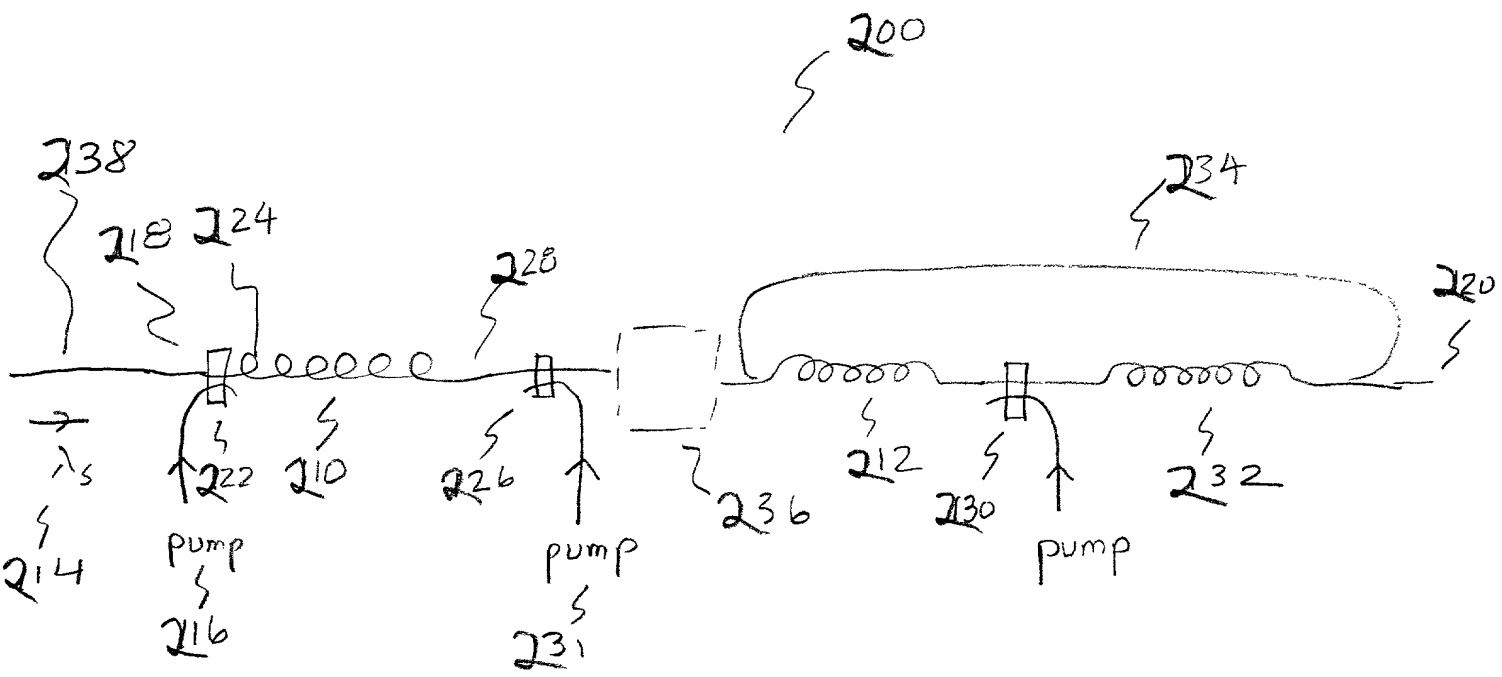


Fig 23 (b)

FOOTPRINT BEARING

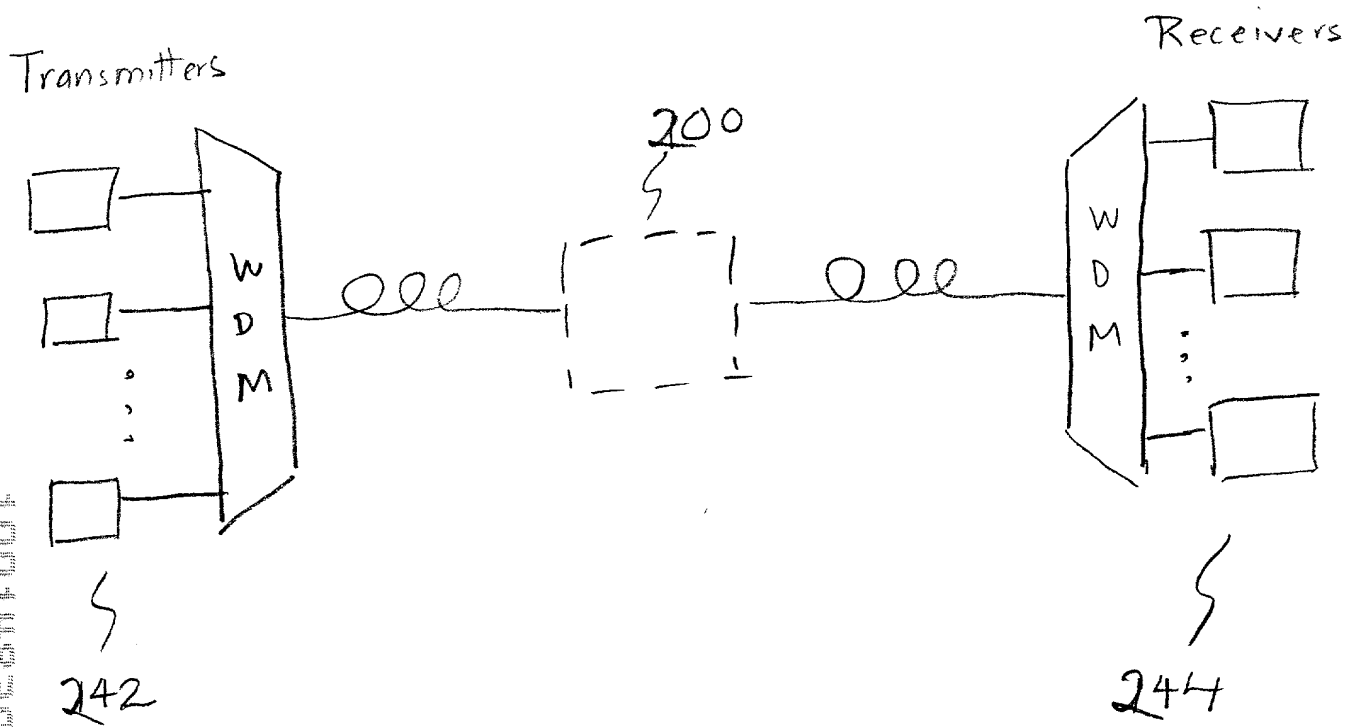


Fig 23(c)

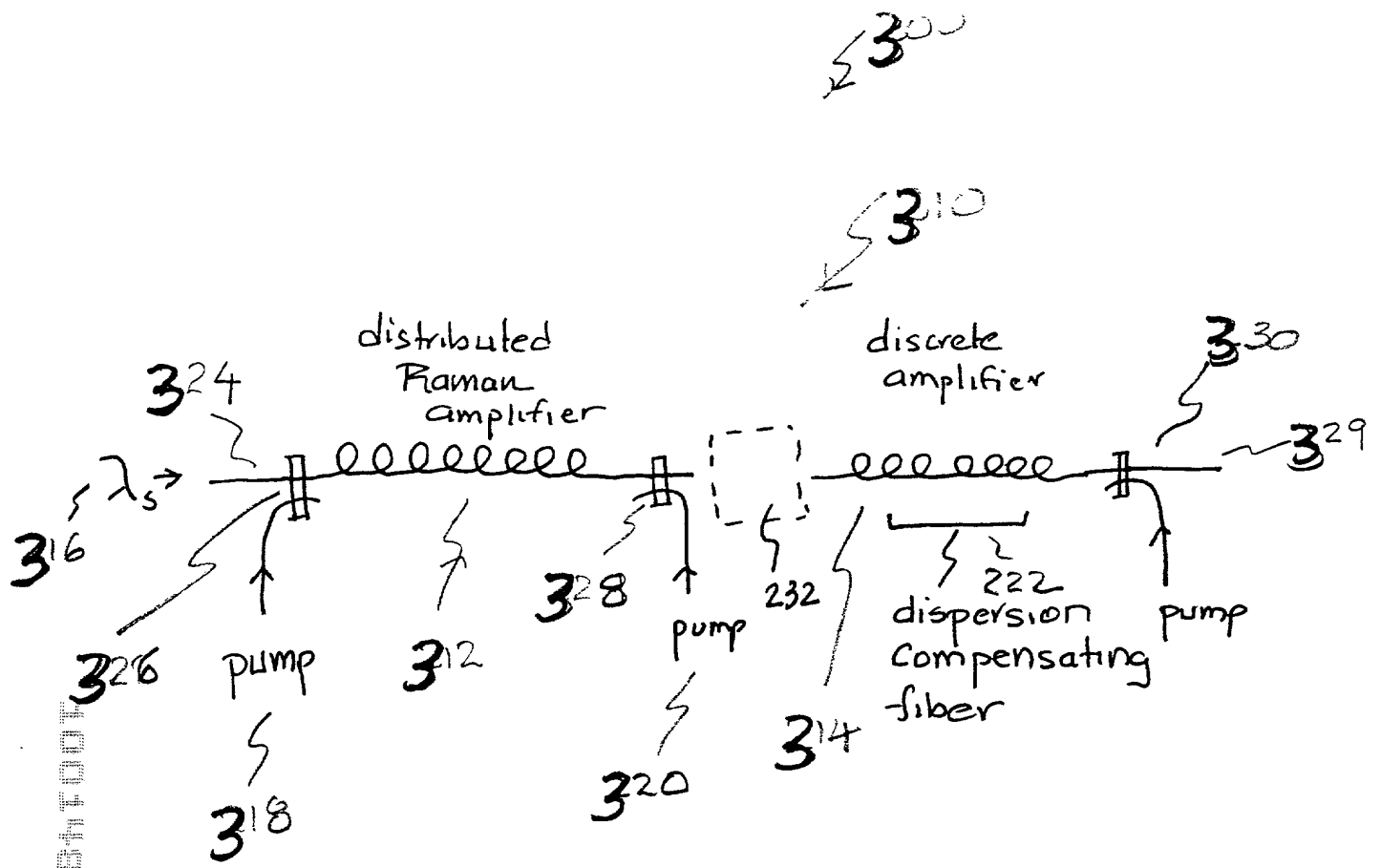


Fig 24(a)

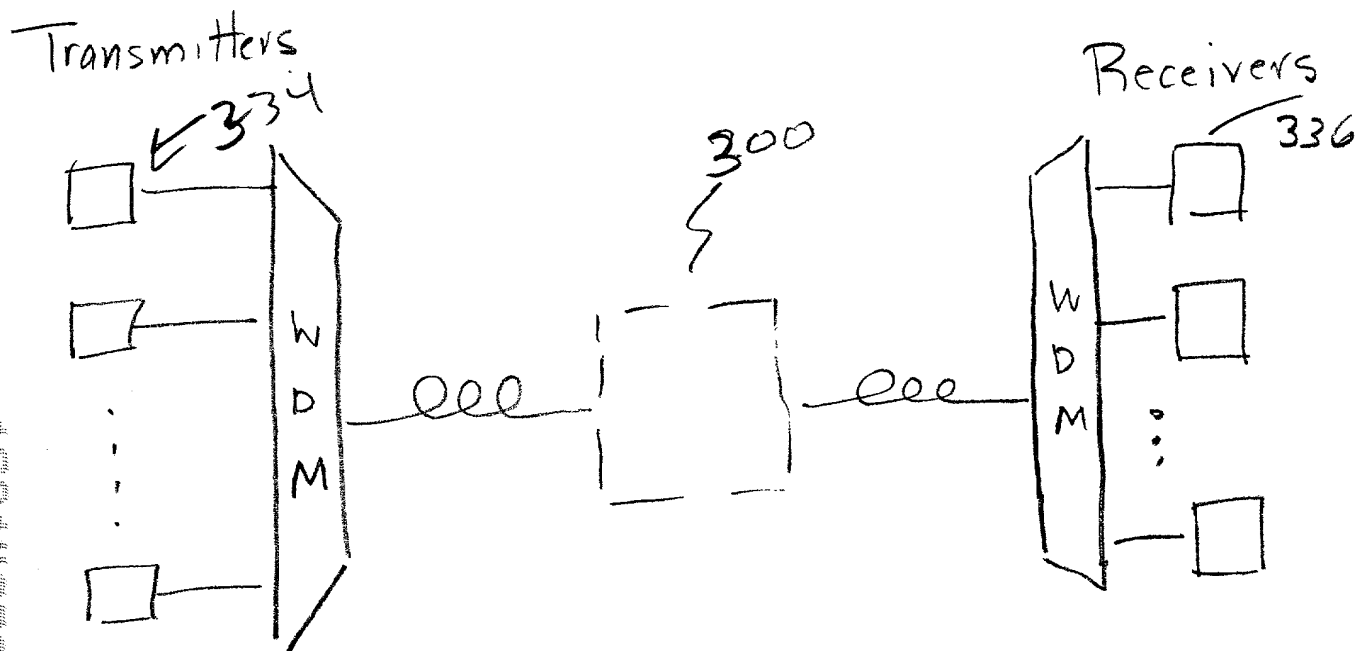


FIG. 24(b)

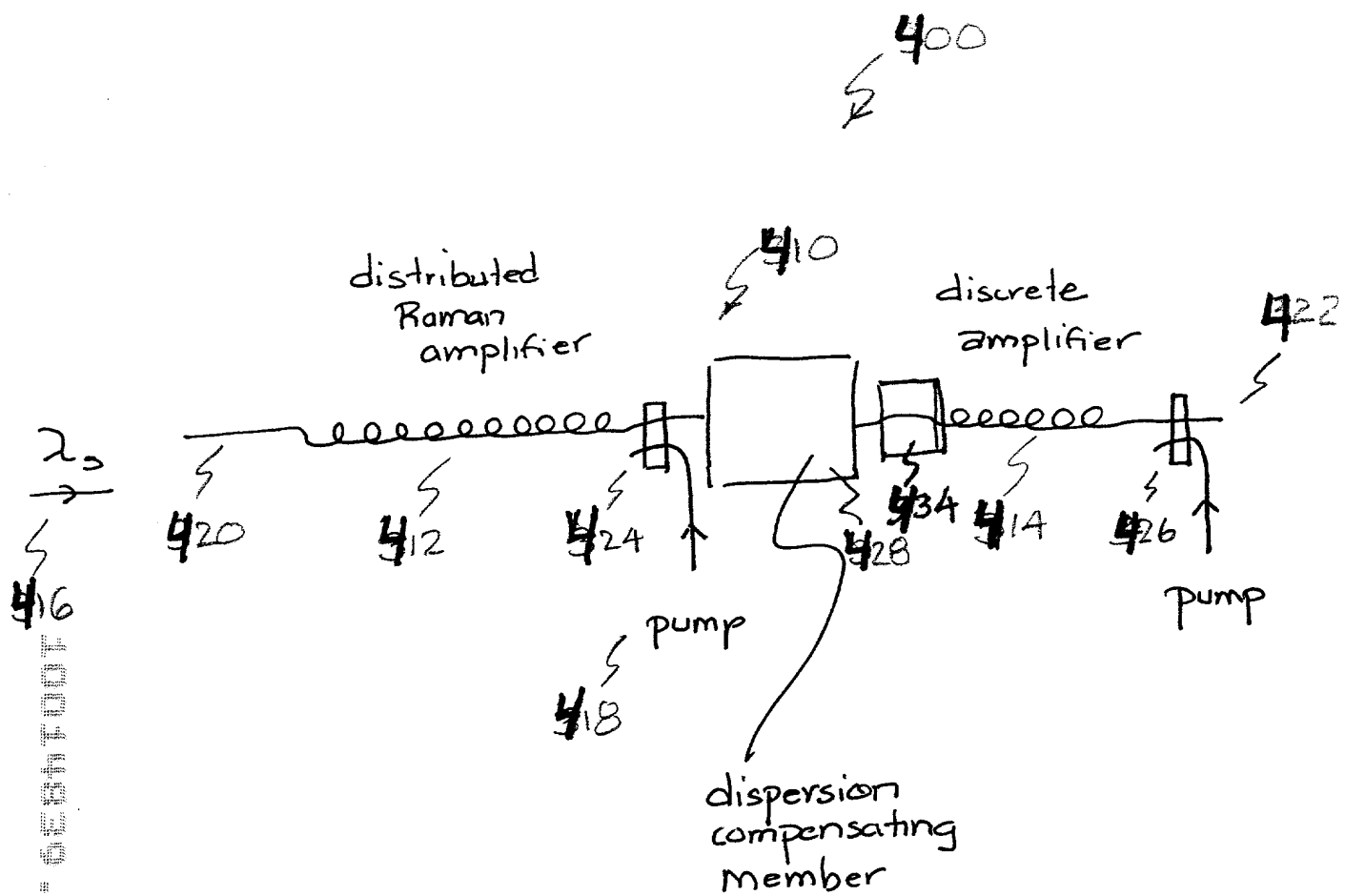


Fig 25(a)

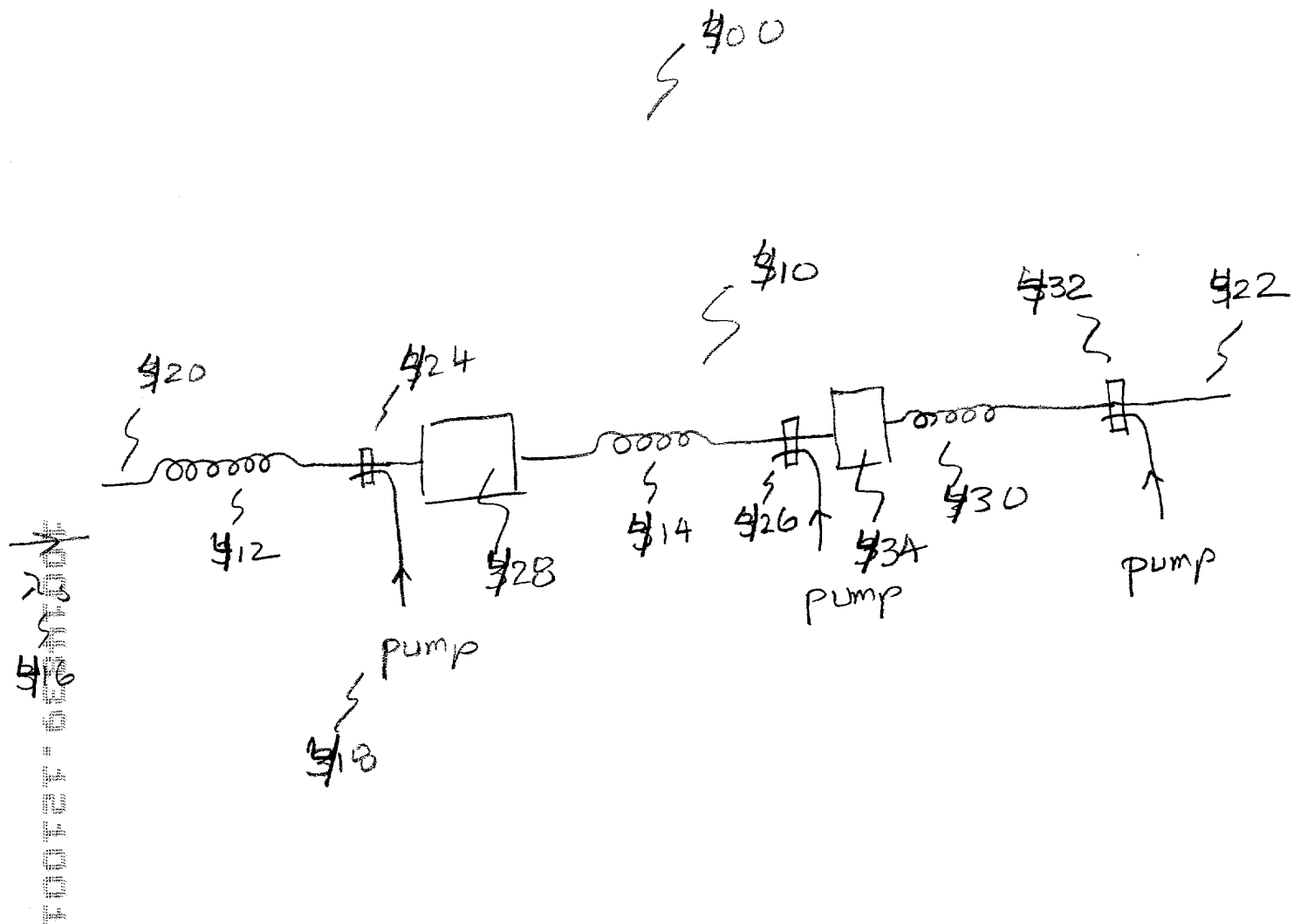


Fig. 25(b)



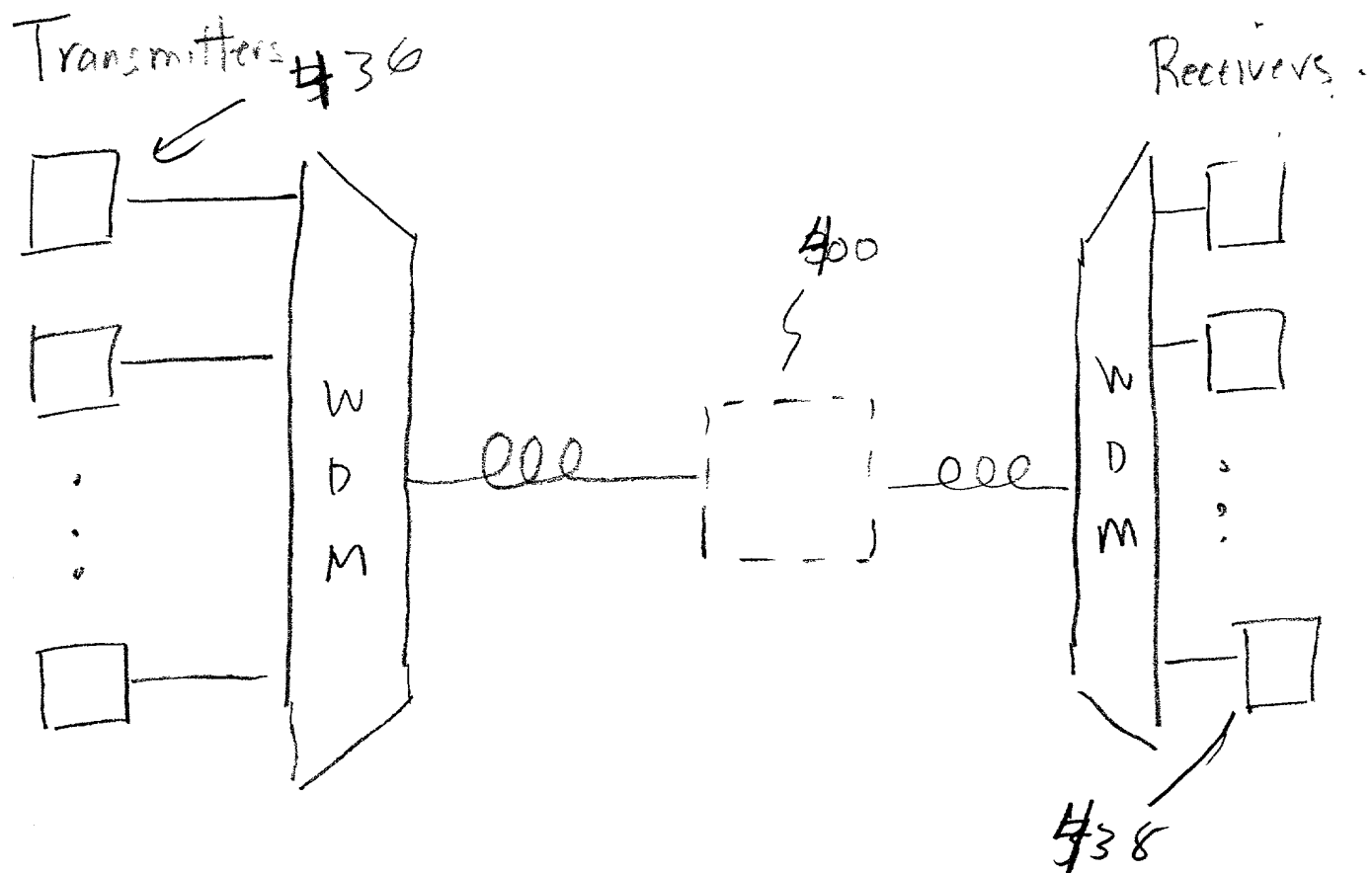


FIG 25.(C)

FIG. 26(a)

500

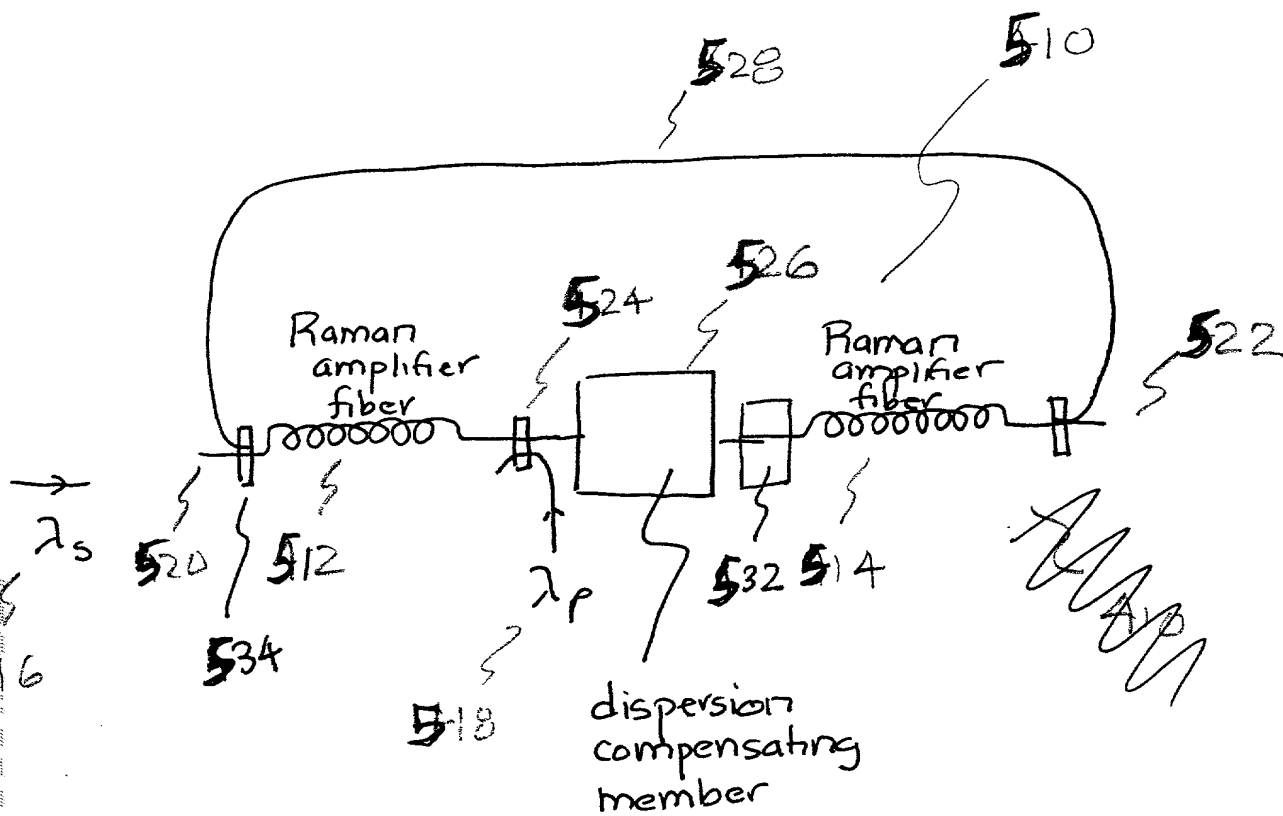


Fig 26(a)

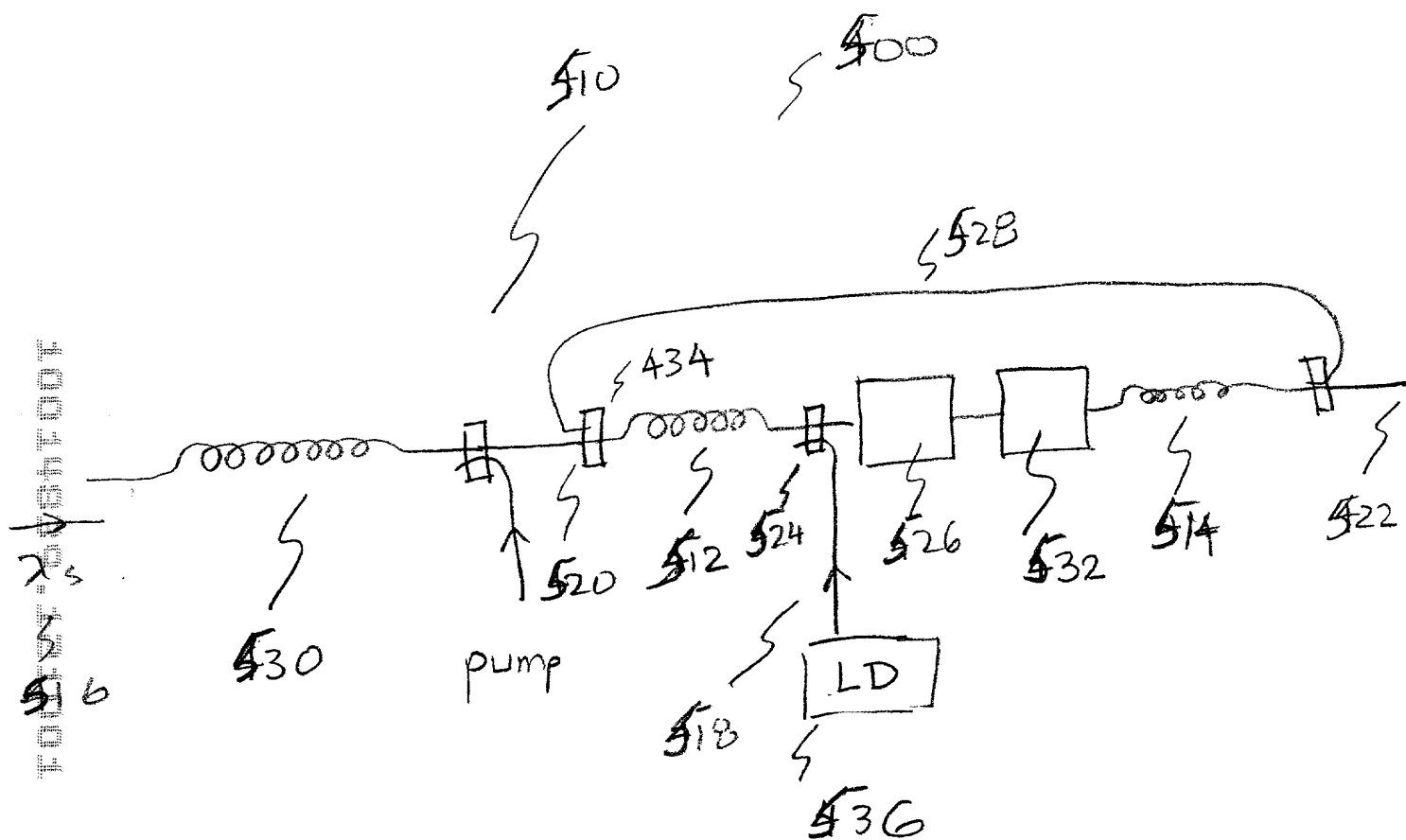


FIG 26 (b)

Transmitters

Receivers

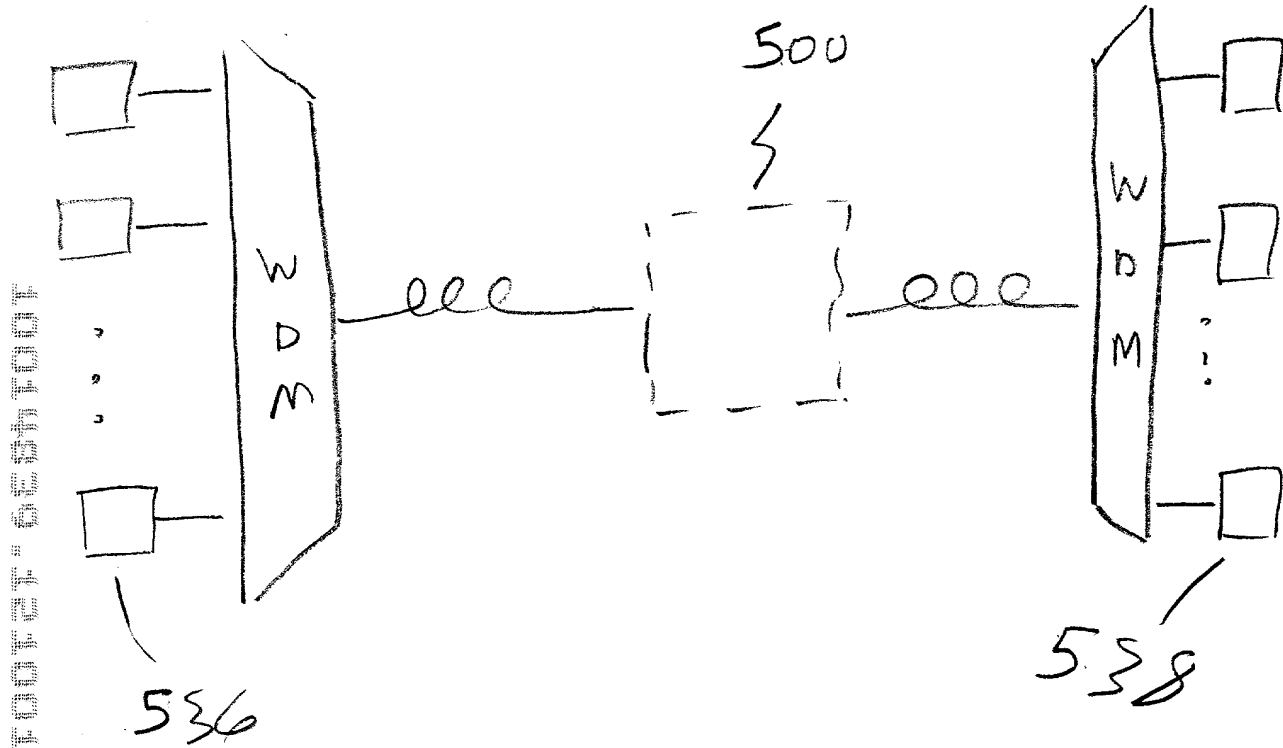


FIG. 26(c)